Ying-Cheng Lai

List of Publications by Year
in descending order

379 papers	16,284 citations	19657 61 h-index	24258 110 g-index
386 all docs	386 docs citations	386 times ranked	7963 citing authors

#	Article	IF	Citations
1	Doubleâ€Edged Role of Resource Competition in Gene Expression Noise and Control. Genetics & Genomics Next, 2022, 3, .	1.5	4
2	A Chirality-Based Quantum Leap. ACS Nano, 2022, 16, 4989-5035.	14.6	74
3	Metamorphoses and explosively remote synchronization in dynamical networks. Chaos, 2022, 32, 043110.	2.5	0
4	Optical response of two-dimensional Dirac materials with a flat band. Physical Review B, 2022, 105, .	3.2	8
5	Predicting extreme events from data using deep machine learning: When and where. Physical Review Research, 2022, 4, .	3.6	7
6	Stochastically Adaptive Control and Synchronization: From Globally One-Sided Lipschitzian to Only Locally Lipschitzian Systems. SIAM Journal on Applied Dynamical Systems, 2022, 21, 932-959.	1.6	8
7	Continuity Scaling: A Rigorous Framework for Detecting and Quantifying Causality Accurately. Research, 2022, 2022, .	5.7	12
8	Full reconstruction of simplicial complexes from binary contagion and Ising data. Nature Communications, 2022, 13, .	12.8	27
9	Synchronization within synchronization: transients and intermittency in ecological networks. National Science Review, 2021, 8, nwaa269.	9.5	9
10	Optimal networks for dynamical spreading. Physical Review E, 2021, 103, 012302.	2.1	13
11	Management implications of long transients in ecological systems. Nature Ecology and Evolution, 2021, 5, 285-294.	7.8	44
12	Optimal inference of the start of COVID-19. Physical Review Research, 2021, 3, .	3.6	10
13	Anomalous role of information diffusion in epidemic spreading. Physical Review Research, 2021, 3, .	3.6	27
14	Relativistic quantum chaos in graphene. Physics Today, 2021, 74, 44-49.	0.3	3
15	Klein scattering of spin-1 Dirac-Weyl wave and localized surface plasmon. Physical Review Research, 2021, 3, .	3.6	5
16	State dependence: Does a prior injury predict a future injury?. Physical Therapy in Sport, 2021, 49, 8-14.	1.9	5
17	Adaptable Hamiltonian neural networks. Physical Review Research, 2021, 3, .	3.6	22
18	Super skew scattering in two-dimensional Dirac material systems with a flat band. Physical Review B, 2021, 103, .	3.2	7

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19	Machine learning-based approach to GPS antijamming. GPS Solutions, 2021, 25, 1.	4.3	4
20	Anticipating synchronization with machine learning. Physical Review Research, 2021, 3, .	3.6	32
21	Emergence of transient chaos and intermittency in machine learning. Journal of Physics Complexity, 2021, 2, 035014.	2.2	15
22	Predicting amplitude death with machine learning. Physical Review E, 2021, 104, 014205.	2.1	21
23	Effects of stochasticity on the length and behaviour of ecological transients. Journal of the Royal Society Interface, 2021, 18, 20210257.	3.4	25
24	Current reversal and particle separation in Brownian transport. Physical Review Research, 2021, 3, .	3.6	1
25	Finding nonlinear system equations and complex network structures from data: A sparse optimization approach. Chaos, 2021, 31, 082101.	2.5	12
26	Synchronous Transition in Complex Object Control. Physical Review Applied, 2021, 16, .	3.8	4
27	Machine learning prediction of critical transition and system collapse. Physical Review Research, 2021, 3, .	3.6	60
28	Controlled generation of self-sustained oscillations in complex artificial neural networks. Chaos, 2021, 31, 113127.	2.5	0
29	Spin Fano Resonances in Chiral Molecules: An Alternative Mechanism for the CISS Effect and Experimental Implications. Nano Letters, 2021, 21, 10423-10430.	9.1	5
30	Tomography of time-dependent quantum Hamiltonians with machine learning. Physical Review A, 2021, 104, .	2.5	4
31	Long transients in ecology: Theory and applications. Physics of Life Reviews, 2020, 32, 1-40.	2.8	126
32	Injury prediction as a non-linear system. Physical Therapy in Sport, 2020, 41, 43-48.	1.9	21
33	Long living transients: Enfant terrible of ecological theory?. Physics of Life Reviews, 2020, 32, 55-58.	2.8	2
34	Predicting phase and sensing phase coherence in chaotic systems with machine learning. Chaos, 2020, 30, 083114.	2.5	28
35	Tipping point and noise-induced transients in ecological networks. Journal of the Royal Society Interface, 2020, 17, 20200645.	3.4	22
36	Dynamical network analysis reveals key microRNAs in progressive stages of lung cancer. PLoS Computational Biology, 2020, 16, e1007793.	3.2	4

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37	Partial cross mapping eliminates indirect causal influences. Nature Communications, 2020, 11, 2632.	12.8	47
38	Non-Markovian recovery makes complex networks more resilient against large-scale failures. Nature Communications, 2020, 11, 2490.	12.8	17
39	Impact of inter-layer hopping on epidemic spreading in a multilayer network. Communications in Nonlinear Science and Numerical Simulation, 2020, 90, 105403.	3.3	10
40	Data Based Reconstruction of Duplex Networks. SIAM Journal on Applied Dynamical Systems, 2020, 19, 124-150.	1.6	28
41	Instantaneous success and influence promotion in cyberspace â€" how do they occur?. Physica A: Statistical Mechanics and Its Applications, 2020, 556, 124725.	2.6	1
42	Perspectives on relativistic quantum chaos. Communications in Theoretical Physics, 2020, 72, 047601.	2.5	6
43	Noise-enabled species recovery in the aftermath of a tipping point. Physical Review E, 2020, 101, 012206.	2.1	12
44	Spin Fano Resonances and Control in Two-Dimensional Mesoscopic Transport. Physical Review Applied, 2020, 13, .	3.8	10
45	Kac's isospectrality question revisited in neutrino billiards. Physical Review E, 2020, 101, 032215.	2.1	9
46	Long-term prediction of chaotic systems with machine learning. Physical Review Research, 2020, 2, .	3.6	92
47	Anomalous chiral edge states in spin-1 Dirac quantum dots. Physical Review Research, 2020, 2, .	3.6	14
48	Electrical confinement in a spectrum of two-dimensional Dirac materials with classically integrable, mixed, and chaotic dynamics. Physical Review Research, 2020, 2, .	3.6	6
49	Scattering of Dirac electrons from a skyrmion: Emergence of robust skew scattering. Physical Review Research, 2020, 2, .	3.6	10
50	Scaling law of transient lifetime of chimera states under dimension-augmenting perturbations. Physical Review Research, 2020, 2, .	3.6	6
51	Phase diagrams of interacting spreading dynamics in complex networks. Physical Review Research, 2020, 2, .	3.6	22
52	Hysteresis in anesthesia and recovery: Experimental observation and dynamical mechanism. Physical Review Research, 2020, 2, .	3.6	2
53	Anomalous in-gap edge states in two-dimensional pseudospin-1 Dirac insulators. Physical Review Research, 2020, 2, .	3.6	4
54	Pseudospin modulation in coupled graphene systems. Physical Review Research, 2020, 2, .	3.6	4

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55	Dynamical network analysis reveals key microRNAs in progressive stages of lung cancer. , 2020, 16, e1007793.		0
56	Dynamical network analysis reveals key microRNAs in progressive stages of lung cancer. , 2020, 16, e1007793.		0
57	Dynamical network analysis reveals key microRNAs in progressive stages of lung cancer. , 2020, 16, e1007793.		0
58	Dynamical network analysis reveals key microRNAs in progressive stages of lung cancer. , 2020, 16, e1007793.		0
59	Interplay of Lorentz-Berry forces in position-momentum spaces for valley-dependent impurity scattering in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:msub><mml:m lattices. Physical Review B, 2019, 99, .	3.2	23
60	Enhancing von Neumann entropy by chaos in spinâ€“orbit entanglement. Chinese Physics B, 2019, 28, 100501.	1.4	4
61	Emergence of an optimal temperature in action-potential propagation through myelinated axons. Physical Review E, 2019, 100, 032416.	2.1	22
62	Quantitative assessment of cerebral connectivity deficiency and cognitive impairment in children with prenatal alcohol exposure. Chaos, 2019, 29, 041101.	2.5	6
63	Self-adaptation of chimera states. Physical Review E, 2019, 99, 010201.	2.1	13
64	Equivalence and its invalidation between non-Markovian and Markovian spreading dynamics on complex networks. Nature Communications, 2019, 10, 3748.	12.8	34
65	Random temporal connections promote network synchronization. Physical Review E, 2019, 100, 032302.	2.1	13
66	Manifestations of chaos in relativistic quantum systems - A study based on out-of-time-order correlator. Physics Open, 2019, 1, 100001.	1.5	3
67	Irrelevance of linear controllability to nonlinear dynamical networks. Nature Communications, 2019, 10, 3961.	12.8	27
68	Harnessing tipping points in complex ecological networks. Journal of the Royal Society Interface, 2019, 16, 20190345.	3.4	32
69	Optimizing biologically inspired transport networks by control. Physical Review E, 2019, 100, 032309.	2.1	4
70	Remote control of cascading dynamics on complex multilayer networks. New Journal of Physics, 2019, 21, 045002.	2.9	15
71	Atomic collapse in pseudospin-1 systems. Physical Review B, 2019, 99, .	3.2	9
72	Pseudospin-1 wave scattering that defies chaos <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Q</mml:mi></mml:math> -spoiling and Klein tunneling. Physical Review B, 2019, 99, .	3.2	13

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73	Pseudospin-1 Systems as a New Frontier for Research on Relativistic Quantum Chaos. Understanding Complex Systems, 2019, , 119-131.	0.6	0
74	Reinforcement learning meets minority game: Toward optimal resource allocation. Physical Review E, 2019, 99, 032302.	2.1	8
75	Chaos-based Berry phase detector. Physical Review B, 2019, 99, .	3.2	7
76	Optimizing optimization: accurate detection of hidden interactions in active body systems from noisy data. Nonlinear Dynamics, 2019, 96, 13-21.	5.2	1
77	A model for meme popularity growth in social networking systems based on biological principle and human interest dynamics. Chaos, 2019, 29, 023136.	2.5	6
78	Asymmetry in interdependence makes a multilayer system more robust against cascading failures. Physical Review E, 2019, 100, 052306.	2.1	19
79	Machine learning dynamical phase transitions in complex networks. Physical Review E, 2019, 100, 052312.	2.1	25
80	A network approach to quantifying radiotherapy effect on cancer: Radiosensitive gene group centrality. Journal of Theoretical Biology, 2019, 462, 528-536.	1.7	1
81	Quantization of massive Dirac billiards and unification of nonrelativistic and relativistic chiral quantum scars. Physical Review Research, 2019, 1, .	3.6	13
82	Model-free prediction of spatiotemporal dynamical systems with recurrent neural networks: Role of network spectral radius. Physical Review Research, 2019, 1, .	3.6	89
83	Multi-Carrier Differential Chaos Shift Keying System With Subcarriers Allocation for Noise Reduction. IEEE Transactions on Circuits and Systems II: Express Briefs, 2018, 65, 1733-1737.	3.0	15
84	Synergistic interactions promote behavior spreading and alter phase transitions on multiplex networks. Physical Review E, 2018, 97, 022311.	2.1	19
85	Effect of network structural perturbations on spiral wave patterns. Nonlinear Dynamics, 2018, 93, 1671-1680.	5.2	10
86	Accurate detection of hierarchical communities in complex networks based on nonlinear dynamical evolution. Chaos, 2018, 28, 043119.	2.5	8
87	The â€œweakâ€•interdependence of infrastructure systems produces mixed percolation transitions in multilayer networks. Scientific Reports, 2018, 8, 2111.	3.3	45
88	Locating multiple diffusion sources in time varying networks from sparse observations. Scientific Reports, 2018, 8, 2685.	3.3	22
89	Statistical inference approach to structural reconstruction of complex networks from binary time series. Physical Review E, 2018, 97, 022301.	2.1	32
90	Autapses promote synchronization in neuronal networks. Scientific Reports, 2018, 8, 580.	3.3	20

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91	Predicting tipping points in mutualistic networks through dimension reduction. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E639-E647.	7.1	111
92	Relativistic quantum chaosâ€"An emergent interdisciplinary field. Chaos, 2018, 28, 052101.	2.5	25
93	Enhancing optical response of graphene through stochastic resonance. Physical Review B, 2018, 97, .	3.2	6
94	Sparse dynamical Boltzmann machine for reconstructing complex networks with binary dynamics. Physical Review E, 2018, 97, 032317.	2.1	16
95	Chaos in Dirac Electron Optics: Emergence of a Relativistic Quantum Chimera. Physical Review Letters, 2018, 120, 124101.	7.8	27
96	Emergence, evolution, and control of multistability in a hybrid topological quantum/classical system. Chaos, 2018, 28, 033601.	2.5	7
97	Transition to high-dimensional chaos in nonsmooth dynamical systems. Physical Review E, 2018, 98, .	2.1	0
98	Close and ordinary social contacts: How important are they in promoting large-scale contagion?. Physical Review E, 2018, 98, .	2.1	13
99	Phase Locking of a Pair of Ferromagnetic Nano-oscillators on a Topological Insulator. Physical Review Applied, 2018, 10, .	3.8	5
100	Evolutionary hypergame dynamics. Physical Review E, 2018, 98, .	2.1	8
101	Effect of chaos on two-dimensional spin transport. Physical Review B, 2018, 98, .	3.2	6
102	Transient phenomena in ecology. Science, 2018, 361, .	12.6	359
103	Decay of semiclassical massless Dirac fermions from integrable and chaotic cavities. Physical Review B, 2018, 98, .	3.2	5
104	Relativistic quantum chaos. Physics Reports, 2018, 753, 1-128.	25.6	38
105	Enhancing network synchronization by phase modulation. Physical Review E, 2018, 98, 012212.	2.1	11
106	Physical controllability of complex networks. Scientific Reports, 2017, 7, 40198.	3.3	52
107	Dynamics of ferrofluidic flow in the Taylor-Couette system with a small aspect ratio. Scientific Reports, 2017, 7, 40012.	3.3	6
108	Universal data-based method for reconstructing complex networks with binary-state dynamics. Physical Review E, 2017, 95, 032303.	2.1	28

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109	Low-voltage shock-mitigated micro-electromechanical systems structure. Applied Physics Letters, 2017, 110, 201903.	3.3	2
110	Quasiperiodicity and suppression of multistability in nonlinear dynamical systems. European Physical Journal: Special Topics, 2017, 226, 1703-1719.	2.6	16
111	Superscattering of a pseudospin-1 wave in a photonic lattice. Physical Review A, 2017, 95, .	2.5	16
112	Detecting and characterizing high-frequency oscillations in epilepsy: a case study of big data analysis. Royal Society Open Science, 2017, 4, 160741.	2.4	9
113	Reconstructing complex networks without time series. Physical Review E, 2017, 96, 022320.	2.1	13
114	Nonequilibrium transport in the pseudospin-1 Dirac-Weyl system. Physical Review B, 2017, 96, .	3.2	17
115	Detection of time delays and directional interactions based on time series from complex dynamical systems. Physical Review E, 2017, 96, 012221.	2.1	35
116	Emergence of unusual coexistence states in cyclic game systems. Scientific Reports, 2017, 7, 7465.	3.3	44
117	Universal model of individual and population mobility on diverse spatial scales. Nature Communications, 2017, 8, 1639.	12.8	165
118	Closed-Loop Control of Complex Networks: A Trade-Off between Time and Energy. Physical Review Letters, 2017, 119, 198301.	7.8	58
119	Partially unstable attractors in networks of forced integrate-and-fire oscillators. Nonlinear Dynamics, 2017, 89, 887-900.	5.2	4
120	Geometric valley Hall effect and valley filtering through a singular Berry flux. Physical Review B, 2017, 96, .	3.2	21
121	Mechanical topological semimetals with massless quasiparticles and a finite Berry curvature. Physical Review B, 2017, 95, .	3.2	10
122	Explosive spreading on complex networks: The role of synergy. Physical Review E, 2017, 95, 042320.	2.1	35
123	Universal framework for edge controllability of complex networks. Scientific Reports, 2017, 7, 4224.	3.3	28
124	Optimal localization of diffusion sources in complex networks. Royal Society Open Science, 2017, 4, 170091.	2.4	28
125	Robustness of persistent currents in two-dimensional Dirac systems with disorder. Physical Review B, 2017, 96, .	3.2	9
126	Engineering of a synthetic quadrastable gene network to approach Waddington landscape and cell fate determination. ELife, 2017, 6, .	6.0	67

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127	Multistability in Nanosystems. Lecture Notes in Networks and Systems, 2017, , 53-64.	0.7	0
128	A geometrical approach to control and controllability of nonlinear dynamical networks. Nature Communications, 2016, 7, 11323.	12.8	106
129	A robust relativistic quantum two-level system with edge-dependent currents and spin polarization. Europhysics Letters, 2016, 115, 20005.	2.0	6
130	Control efficacy of complex networks. Scientific Reports, 2016, 6, 28037.	3.3	9
131	Gaussian orthogonal ensemble statistics in graphene billiards with the shape of classically integrable billiards. Physical Review E, 2016, 94, 062214.	2.1	19
132	Transient chaos - a resolution of breakdown of quantum-classical correspondence in optomechanics. Scientific Reports, 2016, 6, 35381.	3.3	16
133	Nonlinear dynamics induced anomalous Hall effect in topological insulators. Scientific Reports, 2016, 6, 19803.	3.3	6
134	Revival resonant scattering, perfect caustics, and isotropic transport of pseudospin-1 particles. Physical Review B, 2016, 94, .	3.2	26
135	Multistability, chaos, and random signal generation in semiconductor superlattices. Physical Review E, 2016, 93, 062204.	2.1	19
136	Data-based reconstruction of complex geospatial networks, nodal positioning and detection of hidden nodes. Royal Society Open Science, 2016, 3, 150577.	2.4	27
137	Controlling herding in minority game systems. Scientific Reports, 2016, 6, 20925.	3.3	13
138	Directed dynamical influence is more detectable with noise. Scientific Reports, 2016, 6, 24088.	3.3	17
139	Energy scaling and reduction in controlling complex networks. Royal Society Open Science, 2016, 3, 160064.	2.4	45
140	Growth, collapse and self-organized criticality in complex networks. Scientific Reports, 2016, 6, 24445.	3.3	13
141	Reconstructing direct and indirect interactions in networked public goods game. Scientific Reports, 2016, 6, 30241.	3.3	16
142	Data based identification and prediction of nonlinear and complex dynamical systems. Physics Reports, 2016, 644, 1-76.	25.6	268
143	Unified underpinning of human mobility in the real world and cyberspace. New Journal of Physics, 2016, 18, 053025.	2.9	22
144	Enhancement of spin polarization by chaos in graphene quantum dot systems. Physical Review B, 2016, 93, .	3.2	10

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145	Nonlinear Dynamics and Chaos in Micro/Nano-Scale Systems and Applications. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2016, 2016, 001588-001612.	0.2	0
146	Reverse Stark effect, anomalous optical transitions, and control of spin in topological insulator quantum dots. Physical Review B, 2015, 92, .	3.2	8
147	Traffic-driven epidemic spreading in correlated networks. Physical Review E, 2015, 91, 062817.	2.1	23
148	Dynamics of social contagions with memory of nonredundant information. Physical Review E, 2015, 92, 012820.	2.1	110
149	Consistency between functional and structural networks of coupled nonlinear oscillators. Physical Review E, 2015, 92, 012912.	2.1	10
150	Conductance fluctuations in chaotic bilayer graphene quantum dots. Physical Review E, 2015, 92, 012918.	2.1	9
151	Conductance stability in chaotic and integrable quantum dots with random impurities. Physical Review E, 2015, 92, 022901.	2.1	2
152	Ring-bursting behavior en route to turbulence in narrow-gap Taylor-Couette flows. Physical Review E, 2015, 92, 053018.	2.1	3
153	Detection meeting control: Unstable steady states in high-dimensional nonlinear dynamical systems. Physical Review E, 2015, 92, 042902.	2.1	6
154	Magnetic field induced flow pattern reversal in a ferrofluidic Taylor-Couette system. Scientific Reports, 2015, 5, 18589.	3.3	11
155	Transition to turbulence in Taylor-Couette ferrofluidic flow. Scientific Reports, 2015, 5, 10781.	3.3	12
156	Controlled generation of switching dynamics among metastable states in pulse-coupled oscillator networks. Chaos, 2015, 25, 103109.	2.5	5
157	Emergence of multicluster chimera states. Scientific Reports, 2015, 5, 12988.	3.3	30
158	Universal formalism of Fano resonance. AIP Advances, 2015, 5, .	1.3	29
159	Extreme events in multilayer, interdependent complex networks and control. Scientific Reports, 2015, 5, 17277.	3.3	30
160	Spatiotemporal Patterns and Predictability of Cyberattacks. PLoS ONE, 2015, 10, e0124472.	2.5	37
161	Effects of behavioral response and vaccination policy on epidemic spreading - an approach based on evolutionary-game dynamics. Scientific Reports, 2015, 4, 5666.	3.3	57
162	Peer pressure: Enhancement of cooperation through mutual punishment. Physical Review E, 2015, 91, 022121.	2.1	43

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163	Early effect in time-dependent, high-dimensional nonlinear dynamical systems with multiple resonances. Physical Review E, 2015, 91, 022906.	2.1	1
164	Superpersistent currents and whispering gallery modes in relativistic quantum chaotic systems. Scientific Reports, 2015, 5, 8963.	3.3	15
165	Optimization and resilience of complex supply-demand networks. New Journal of Physics, 2015, 17, 063029.	2.9	7
166	Emergence, Evolution and Scaling of Online Social Networks. PLoS ONE, 2014, 9, e111013.	2.5	3
167	Identifying Chaotic FitzHughâ€“Nagumo Neurons Using Compressive Sensing. Entropy, 2014, 16, 3889-3902.	2.2	15
168	Triple grouping and period-three oscillations in minority-game dynamics. Physical Review E, 2014, 90, 062917.	2.1	7
169	Reconstructing propagation networks with natural diversity and identifying hidden sources. Nature Communications, 2014, 5, 4323.	12.8	163
170	Suppression of epidemic spreading in complex networks by local information based behavioral responses. Chaos, 2014, 24, 043106.	2.5	103
171	Controlling complex, non-linear dynamical networks. National Science Review, 2014, 1, 339-341.	9.5	28
172	Quantum manifestation of a synchronization transition in optomechanical systems. Physical Review A, 2014, 90, .	2.5	46
173	Quantum chaotic tunneling in graphene systems with electron-electron interactions. Physical Review B, 2014, 90, .	3.2	13
174	Overarching framework for data-based modelling. Europhysics Letters, 2014, 105, 30004.	2.0	12
175	Regularization of chaos by noise in electrically driven nanowire systems. Physical Review B, 2014, 89, .	3.2	6
176	Scaling and correlation of human movements in cyberspace and physical space. Physical Review E, 2014, 90, 050802.	2.1	32
177	Exact controllability of multiplex networks. New Journal of Physics, 2014, 16, 103036.	2.9	63
178	Nonlinear Dynamics and Quantum Entanglement in Optomechanical Systems. Physical Review Letters, 2014, 112, 110406.	7.8	90
179	Level spacing statistics for two-dimensional massless Dirac billiards. Chinese Physics B, 2014, 23, 070507.	1.4	12
180	Uncovering hidden nodes in complex networks in the presence of noise. Scientific Reports, 2014, 4, 3944.	3.3	44

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181	Mesoscopic Interactions and Species Coexistence in Evolutionary Game Dynamics of Cyclic Competitions. Scientific Reports, 2014, 4, 7486.	3.3	74
182	Universal flux-fluctuation law in small systems. Scientific Reports, 2014, 4, 6787.	3.3	17
183	Asymmetrically interacting spreading dynamics on complex layered networks. Scientific Reports, 2014, 4, 5097.	3.3	189
184	Controlling extreme events on complex networks. Scientific Reports, 2014, 4, 6121.	3.3	27
185	Relativistic quantum tunneling of a Dirac fermion in nonhyperbolic chaotic systems. Physical Review B, 2013, 87, .	3.2	10
186	Robustness of chimera states in complex dynamical systems. Scientific Reports, 2013, 3, 3522.	3.3	49
187	Effect of geometrical rotation on conductance fluctuations in graphene quantum dots. Journal of Physics Condensed Matter, 2013, 25, 105802.	1.8	6
188	Universality of flux-fluctuation law in complex dynamical systems. Physical Review E, 2013, 87, 012808.	2.1	17
189	Quantum chaotic scattering in graphene systems in the absence of invariant classical dynamics. Physical Review E, 2013, 87, 052908.	2.1	9
190	Complex dynamics in nanosystems. Physical Review E, 2013, 87, 052911.	2.1	16
191	Harnessing quantum transport by transient chaos. Chaos, 2013, 23, 013125.	2.5	21
192	Lead-position dependent regular oscillations and random fluctuations of conductance in graphene quantum dots. Journal of Physics Condensed Matter, 2013, 25, 085502.	1.8	3
193	Emergence of scaling in human-interest dynamics. Scientific Reports, 2013, 3, 3472.	3.3	71
194	Engineering of regulated stochastic cell fate determination. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10610-10615.	7.1	91
195	Persistent coexistence of cyclically competing species in spatially extended ecosystems. Chaos, 2013, 23, 023128.	2.5	30
196	Anti-phase synchronization in microelectromechanical systems and effect of impulsive perturbations. Physical Review B, 2013, 87, .	3.2	8
197	Chiral Scars in Chaotic Dirac Fermion Systems. Physical Review Letters, 2013, 110, 064102.	7.8	36
198	Exact controllability of complex networks. Nature Communications, 2013, 4, 2447.	12.8	430

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199	An Efficient Immunization Strategy for Community Networks. PLoS ONE, 2013, 8, e83489.	2.5	55
200	Emergence of grouping in multi-resource minority game dynamics. Scientific Reports, 2012, 2, 703.	3.3	18
201	Optimizing controllability of complex networks by minimum structural perturbations. Physical Review E, 2012, 85, 026115.	2.1	202
202	Reverse engineering of complex dynamical networks in the presence of time-delayed interactions based on noisy time series. Chaos, 2012, 22, 033131.	2.5	15
203	Forecasting synchronizability of complex networks from data. Physical Review E, 2012, 85, 056220.	2.1	23
204	Optimizing cooperation on complex networks in the presence of failure. Physical Review E, 2012, 86, 045101.	2.1	3
205	Cascading dynamics on random networks: Crossover in phase transition. Physical Review E, 2012, 85, 026110.	2.1	56
206	Conductance fluctuations in graphene systems: The relevance of classical dynamics. Physical Review B, 2012, 85, .	3.2	17
207	Modulating quantum transport by transient chaos. Applied Physics Letters, 2012, 100, .	3.3	29
208	Origin of chaotic transients in excitatory pulse-coupled networks. Physical Review E, 2012, 86, 066214.	2.1	8
209	Onset of chaotic phase synchronization in complex networks of coupled heterogeneous oscillators. Physical Review E, 2012, 86, 027201.	2.1	10
210	Detecting hidden nodes in complex networks from time series. Physical Review E, 2012, 85, 065201.	2.1	69
211	PROBING COMPLEX NETWORKS FROM MEASURED TIME SERIES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250236.	1.7	9
212	Effect of chaos on relativistic quantum tunneling. Europhysics Letters, 2012, 98, 50007.	2.0	13
213	Multi-armed spirals and multi-pairs antispirals in spatial rockâ€“paperâ€“scissors games. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2292-2297.	2.1	26
214	Controlling Complex Networks: How Much Energy Is Needed?. Physical Review Letters, 2012, 108, 218703.	7.8	317
215	Scarring of Dirac fermions in chaotic billiards. Physical Review E, 2012, 86, 016702.	2.1	22
216	Forecasting the future: Is it possible for adiabatically time-varying nonlinear dynamical systems?. Chaos, 2012, 22, 033119.	2.5	10

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217	Transient Chaos. Applied Mathematical Sciences (Switzerland), 2011, , .	0.8	294
218	Geometry-dependent conductance oscillations in graphene quantum dots. Europhysics Letters, 2011, 94, 58003.	2.0	5
219	Time-seriesâ€"based prediction of complex oscillator networks via compressive sensing. Europhysics Letters, 2011, 94, 48006.	2.0	90
220	Quantum chaotic scattering in graphene systems. Europhysics Letters, 2011, 94, 40004.	2.0	38
221	Cascading dynamics in complex quantum networks. Chaos, 2011, 21, 025107.	2.5	9
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